Patent Claims

1. A method for recognizing forged bank notes, wherein the bank notes to be checked are compared with comparative data, which are derived from authentic bank notes and known forgeries,

   characterized by

   additional comparative data for new types of forgeries, wherein the bank notes to be checked are compared with both the comparative data and the additional comparative data for new types of forgeries so as to determine whether a forged bank note is present.

2. The method according to claim 1, characterized in that bank notes to be checked are compared with the comparative data, and that a comparison with the additional comparative data for new types of forgeries is only effected, if with the check with the help of the comparative data the authenticity of the bank notes to be checked has been determined.

3. The method according to claim 1 or 2, characterized in that bank notes to be checked are compared with the comparative data, so as to determine their kind, and that a comparison with the additional comparative data for new types of forgeries is only effected, if for the determined kind of bank notes comparative data for new types of forgeries are available.

4. The method according to any of claims 1 to 3, characterized in that comparative data and additional comparative data for new types of forgeries are available for each possible position of the bank notes.

5. The method according to any of claims 1 to 4, characterized in that the additional comparative data for new types of forgeries are derived and produced from the new type of forgery after the first occurrence of the new type of forgery.

6. A bank note processing machine (10) having a control device (40), a non-volatile memory (41) and a sensor device (30), for recognizing forged bank

notes, wherein the bank notes to be checked are captured by the sensor device (30) and data are derived, which are compared with comparative data stored in the non-volatile memory (41), which are derived from authentic bank notes and known forgeries,

characterized in that

in the non-volatile memory (41) additional comparative data for new types of forgeries are stored, the data of the sensor device (30) for the bank notes to be checked being compared by the control device (40) with both the comparative data and the additional comparative data for new types of forgeries, so as to determine whether a forged bank note is present.

7. The bank note processing machine according to claim 6, characterized in that an interface (42) is provided, via which additional comparative data for new types of forgeries are loaded and stored in the non-volatile memory (41).